

Title (en)  
DISPLAY PANEL AND MANUFACTURING METHOD THEREFOR, AND DISPLAY MODULE

Title (de)  
ANZEIGETAFEL UND HERSTELLUNGSVERFAHREN DAFÜR SOWIE ANZEIGEMODULE

Title (fr)  
PANNEAU D'AFFICHAGE ET SON PROCÉDÉ DE FABRICATION, ET MODULE D'AFFICHAGE

Publication  
**EP 3855501 A4 20220706 (EN)**

Application  
**EP 18901811 A 20181008**

Priority  
• CN 201811107960 A 20180921  
• CN 2018109297 W 20181008

Abstract (en)  
[origin: US2021183911A1] The present application proposes a display panel, a manufacturing method for the display panel, and a display module. The display panel includes an array substrate. The array substrate includes a substrate and a thin film transistor and a storage capacitor on the substrate. The storage capacitor includes a first electrode on the substrate, a first insulating layer on the first electrode, a second electrode on the first insulating layer, a second insulating layer on the second electrode, and a third electrode on the second insulating layer. An orthogonal projection of the second electrode on the second insulating layer is on the second insulating layer.

IPC 8 full level  
**H01L 27/12** (2006.01); **H01L 27/32** (2006.01); **H01L 29/786** (2006.01)

CPC (source: CN EP KR US)  
**H01L 27/1214** (2013.01 - KR); **H01L 27/1255** (2013.01 - EP US); **H01L 27/1262** (2013.01 - US); **H01L 28/40** (2013.01 - CN); **H01L 29/78633** (2013.01 - EP); **H10K 50/84** (2023.02 - US); **H10K 59/1201** (2023.02 - CN); **H10K 59/1213** (2023.02 - KR US); **H10K 59/1216** (2023.02 - CN KR US); **H10K 59/124** (2023.02 - KR US); **H10K 59/126** (2023.02 - US); **H10K 59/40** (2023.02 - US); **H10K 71/00** (2023.02 - US); **H10K 59/1213** (2023.02 - EP); **H10K 59/1216** (2023.02 - EP); **H10K 59/126** (2023.02 - EP)

Citation (search report)  
• [XY] US 2014291636 A1 20141002 - KIM YOUNG JUN [KR], et al  
• [Y] US 2012249915 A1 20121004 - MOROSAWA NARIHIRO [JP]  
• [X] US 2011147757 A1 20110623 - KIM KI-HOON [KR], et al  
• [X] US 2018175077 A1 20180621 - KOO HYUNGJOON [KR], et al  
• [X] CN 108257977 A 20180706 - BOE TECHNOLOGY GROUP CO LTD & US 2019214504 A1 20190711 - SONG ZHEN [CN], et al  
• [A] EP 2117043 A2 20091111 - SAMSUNG MOBILE DISPLAY CO LTD [KR]  
• See references of WO 2020056803A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 11195863 B2 20211207; US 2021183911 A1 20210617**; CN 109378326 A 20190222; CN 109378326 B 20230530; EP 3855501 A1 20210728; EP 3855501 A4 20220706; JP 2021502579 A 20210128; KR 20200035239 A 20200402; WO 2020056803 A1 20200326

DOCDB simple family (application)  
**US 201816326719 A 20180810**; CN 2018109297 W 20181008; CN 201811107960 A 20180921; EP 18901811 A 20181008; JP 2019528033 A 20181008; KR 20197037400 A 20181008